



FIG. 1

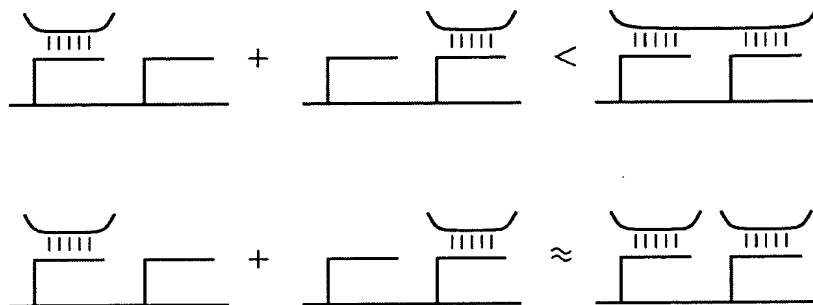


FIG. 2

CENTRAL POSITION =

A
C
G
T

PROBE 1
a

+

CENTRAL POSITION =

A	C	G	T
---	---	---	---

PROBE 2
b

=

1=A, 2=A	1=A, 2=C	1=A, 2=G	1=A, 2=T
1=C, 2=A	1=C, 2=C	1=C, 2=G	1=C, 2=T
1=G, 2=A	1=G, 2=C	1=G, 2=G	1=G, 2=T
1=T, 2=A	1=T, 2=C	1=T, 2=G	1=T, 2=T

PAIRED ARRAY
c

FIG. 3

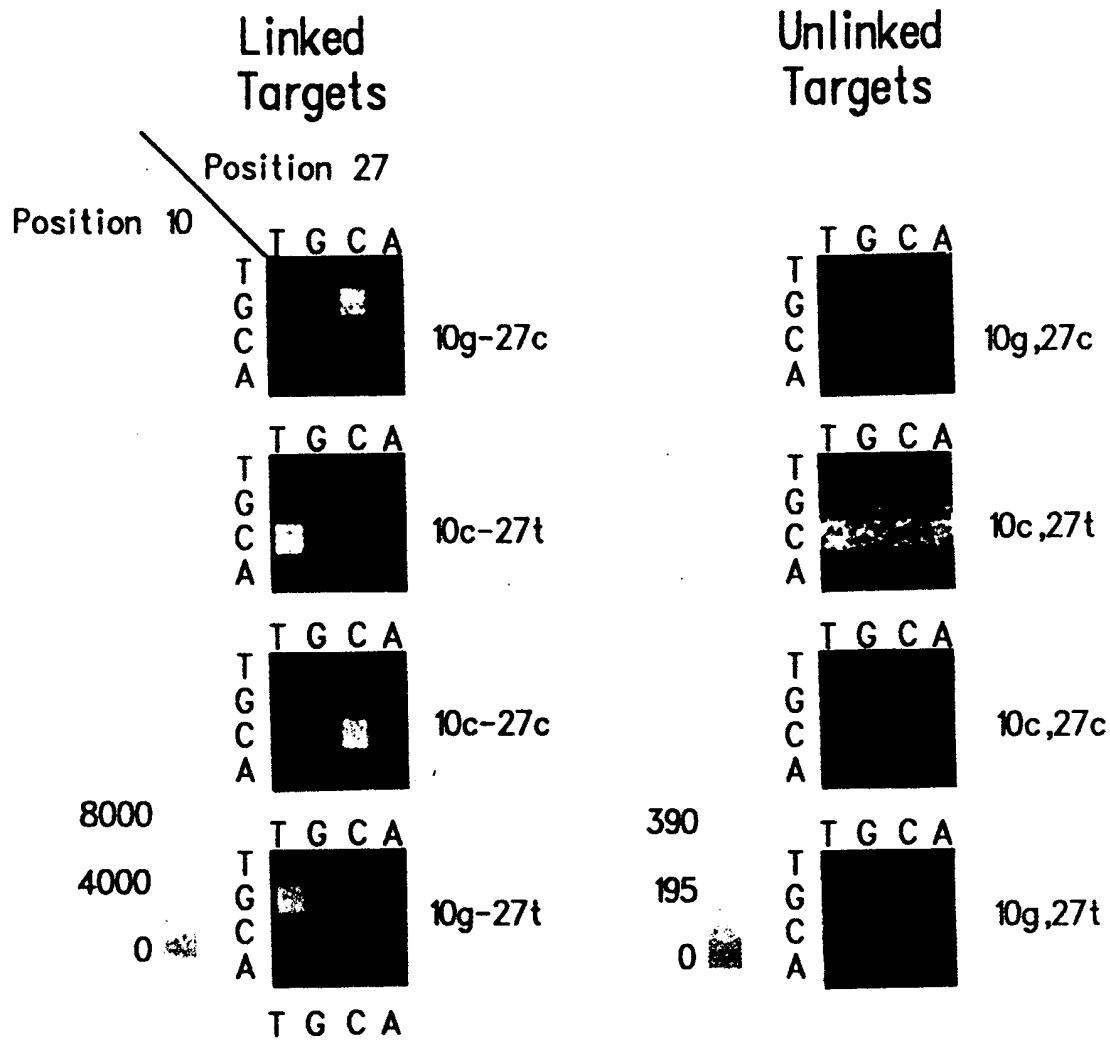


FIG. 4A

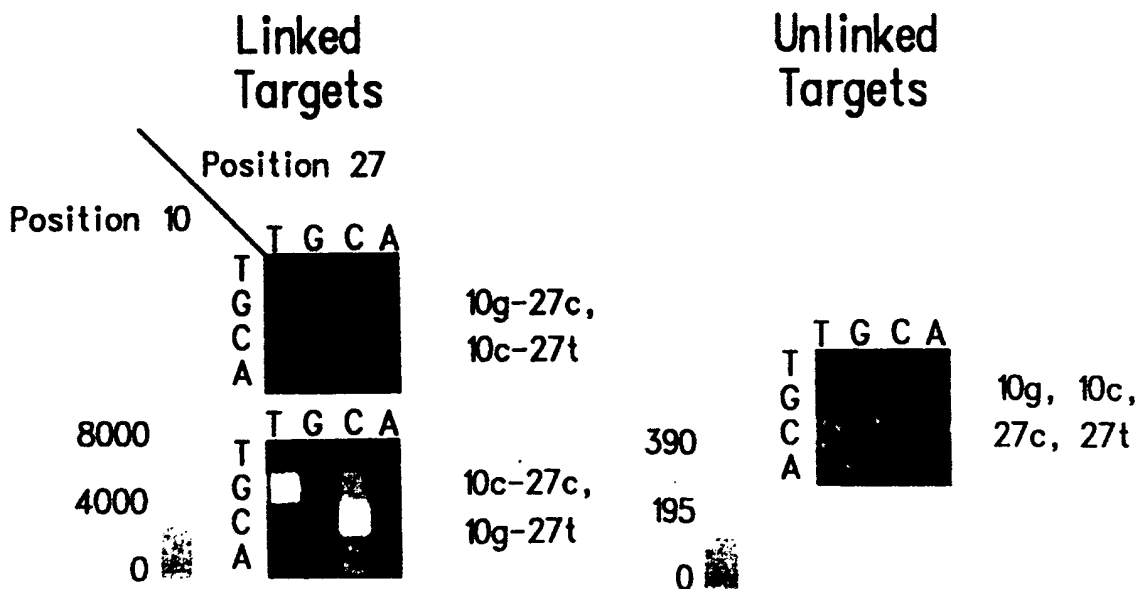


FIG. 4B

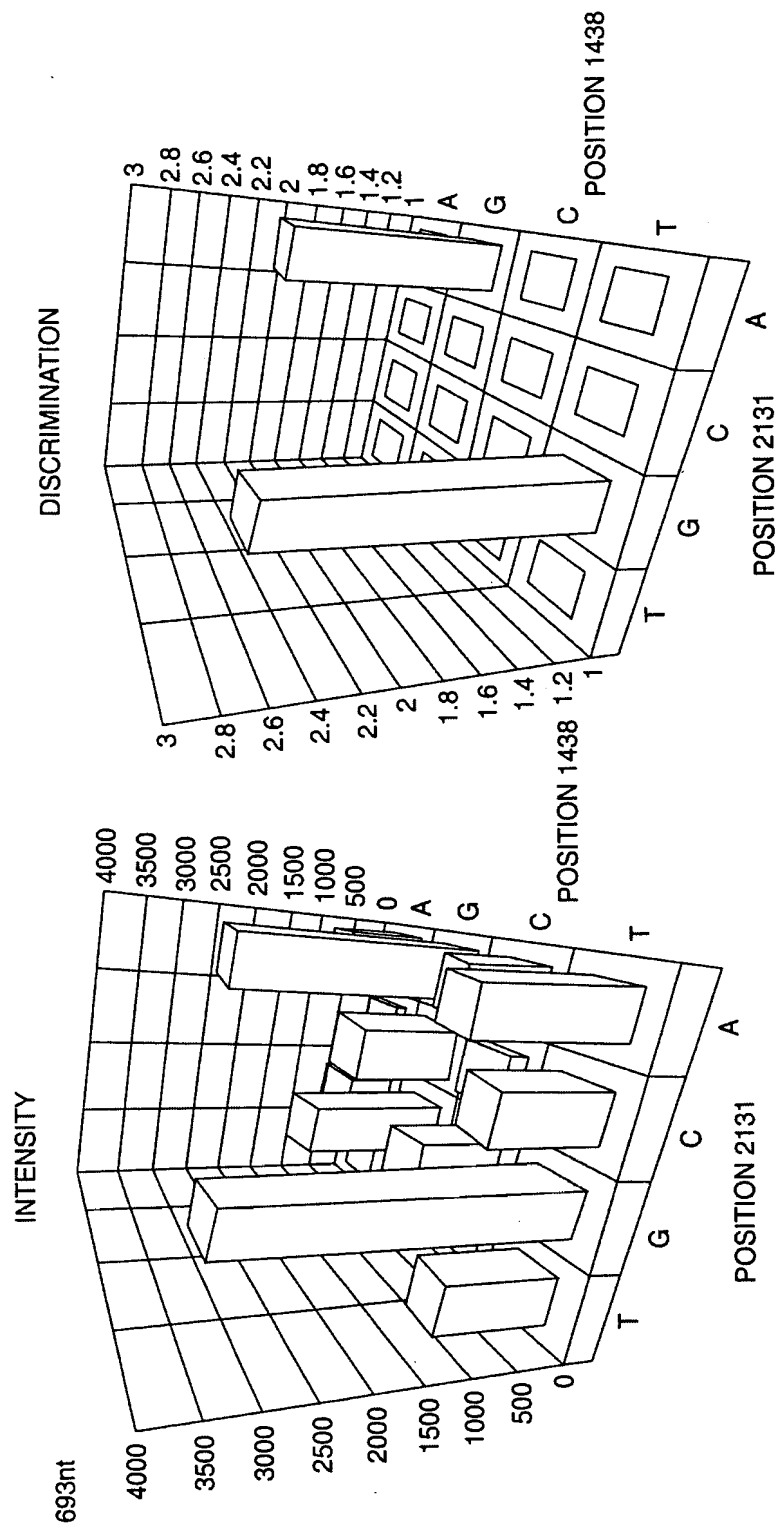


FIG. 5A

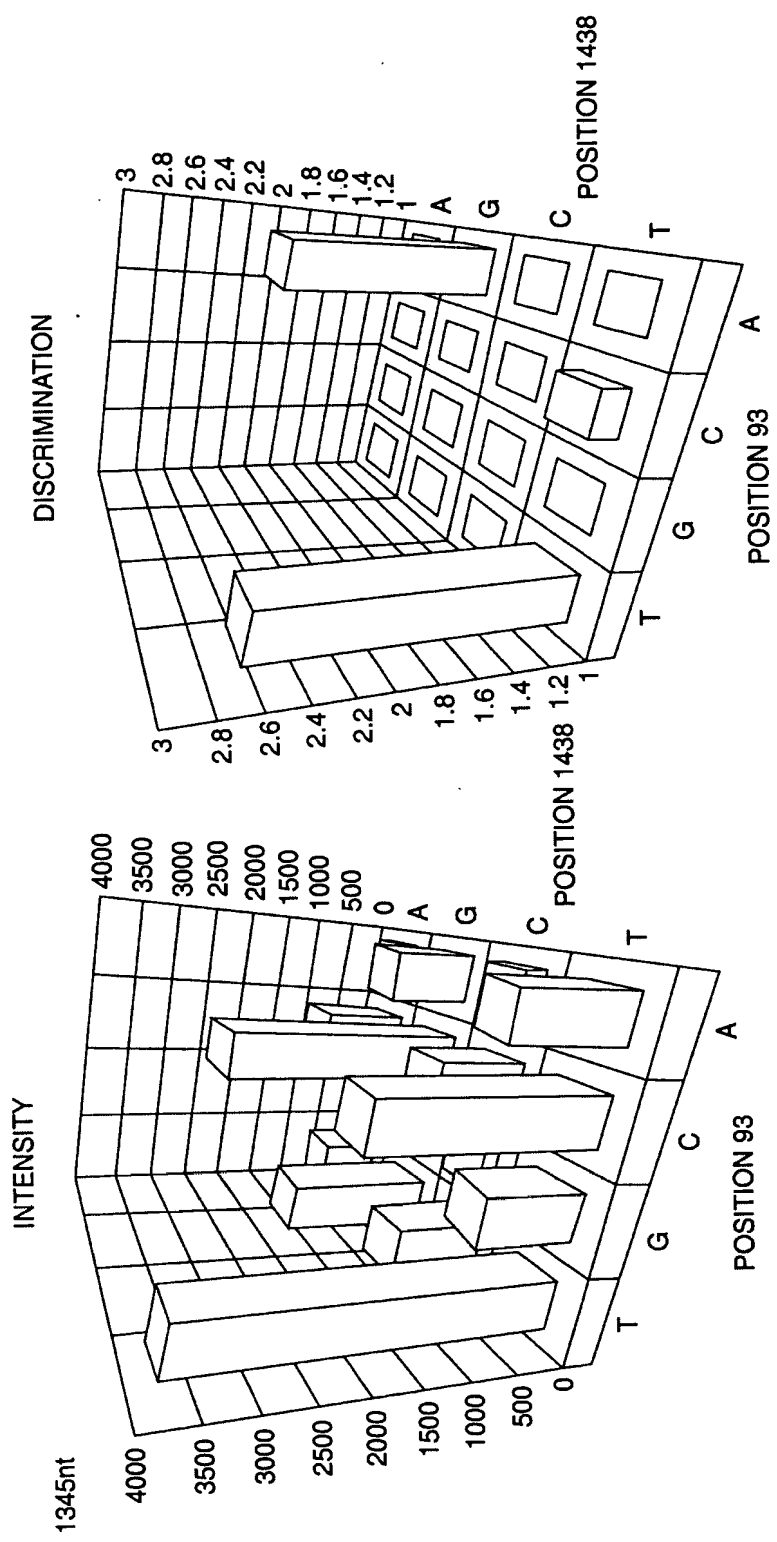


FIG. 5B

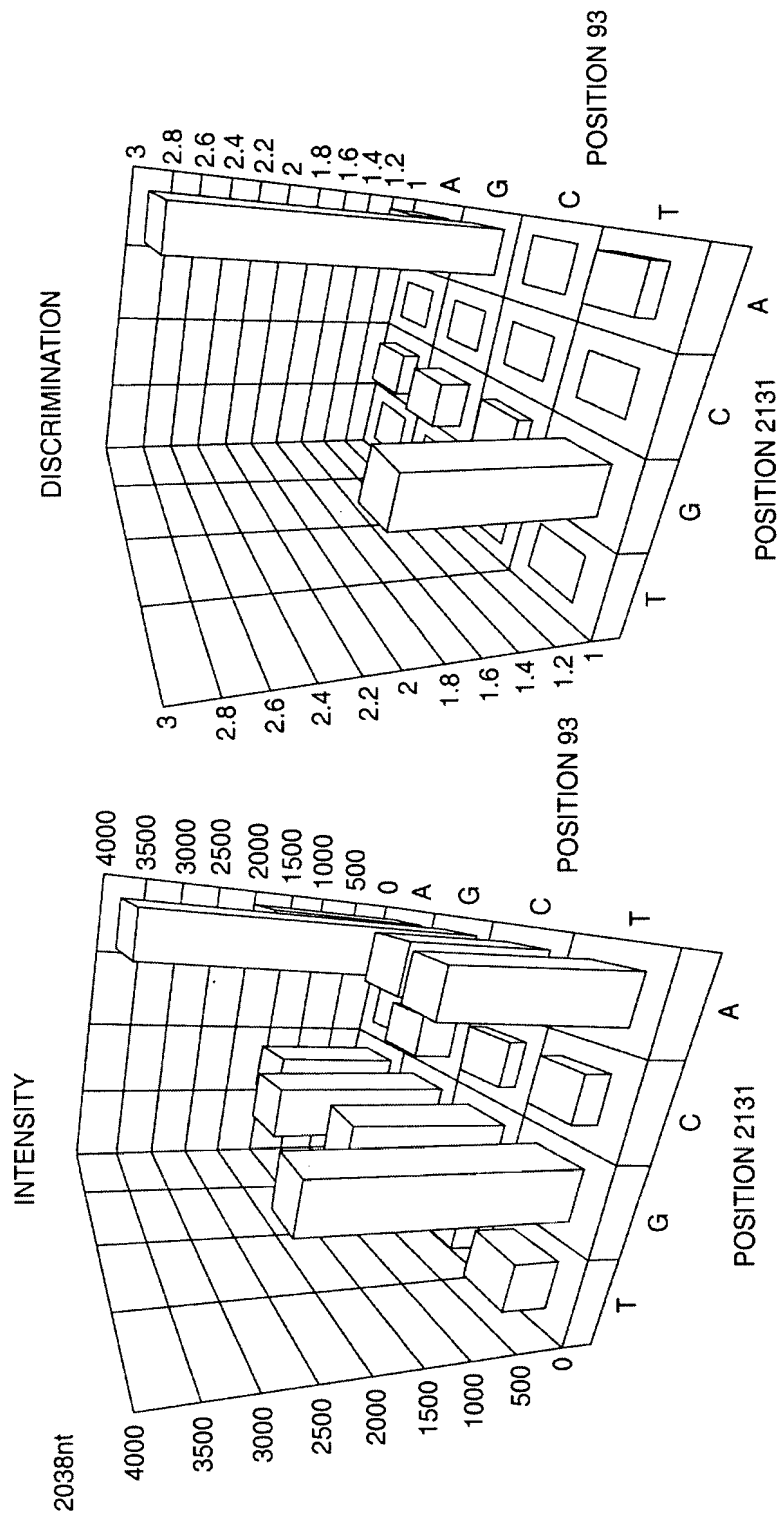


FIG. 5C



FIG. 6

2.5kB PAIRED TILING, POSITION 1338-1538

FLUORESCENT INTENSITY

POSITION

CONTROL

PAIRED

1338-1538 2338-2538

POSITION ALONG 2.5kB TRANSCRIPT

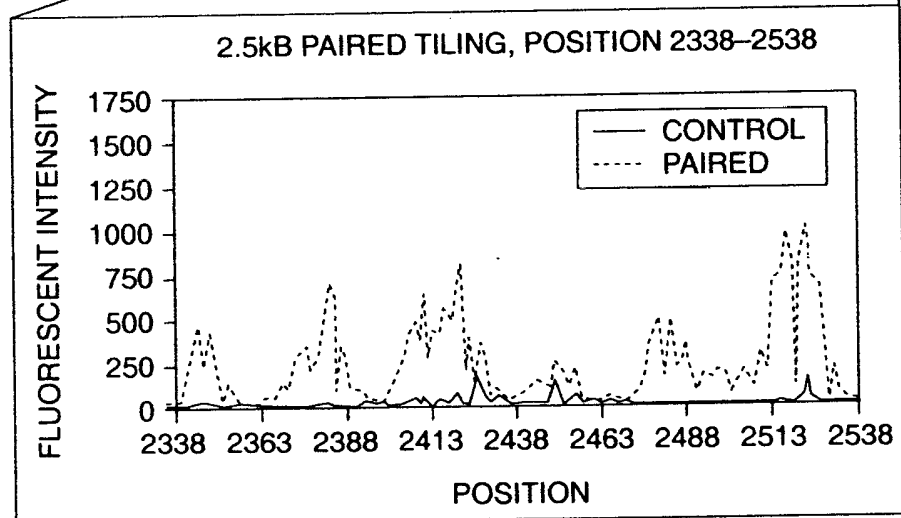


FIG. 7